

Abstract of the Disclosure

A device and method for delivering and injecting fluid into heart tissue utilizing high pressure injection to increase injectate (fluid) retention in the heart tissue. The catheter includes a shaft having an infusion lumen extending therethrough, wherein the proximal end of the shaft connected to a pressurized fluid source capable of generating a transient pressure of more than 1000 psi. The distal end of the shaft includes a nozzle having an injection port in fluid communication with the infusion lumen such that fluid from the pressurized fluid source may be delivered to the heart tissue at a sufficiently high exit velocity to partially penetrate the heart tissue.

CERTIFICATE UNDER 37 CFR 110: The undersigned hereby certifies that this paper or papers, as described hereinabove, are being deposited in the United States Postal Service, "Express Mail Post Office to Addressee" having an Express Mail Mailing label number of:

EL531630420US

in an envelope addressed to:
Assistant Commissioner for Patents
Washington, DC 20231

on this 8th day of December 19 99
Crompton, Seager & Tufte, LLC

By: Kathleen L. Buckley

400006654 123004

BEST AVAILABLE COPY